

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

24 JUNE 1976

BOARD OF GOVERNORS

A meeting of the Board of Governors was held on Friday, 18 June. The following were among the items considered.

Preliminary Operating Budget for 1976-77

The Finance Committee reported that it had received a revised version of the Preliminary Operating Budget incorporating the salary and benefit settlements with the academic and non-academic staff. The estimated cost of the salary and benefit settlements is slightly higher than the amount provided. In addition, there were other items which were unforeseen when the budget was initially prepared, including honoraria to cooperating teachers, adjustments to contract for part-time and sessional dentists, and, finally, pensions for married women which are now compulsory for the Public Service Pension Plan. At the same time, two factors will work to reduce net expenditures: improvement in interest earnings last and an increase in certain salary recoveries in the Faculty of Medicine. The overall effect is an increase in the projected deficit from \$2,247,000 to \$2,302,000. It was noted that the budget cannot be finalized until the Anti-Inflation Board has ruled on the settlements with the Non-Academic Staff, the Academic Staff, and the Graduate Students.

General and special fees schedule for 1976-77

The Board members approved the following revision of fees effective 1 September 1976.

	Present fee	Approved revision
Registration		
UAH Diploma Nurses	\$5	\$6
Graduate Studies	10	no increase
Readmission (graduate students permitted to resume an interrupted program)	50	60
Auditing		
Full course	50	60
Half course	25	30
Supplemental exam	10	12
Special supplemental	40	50
Deferred final	5	6
Special deferred final	40	50
Outside centre exam fee	10	15
Application for admission fee	10	12
Visé fee (non-admission evaluation)	10	15
Course credit by special assessment	40	50

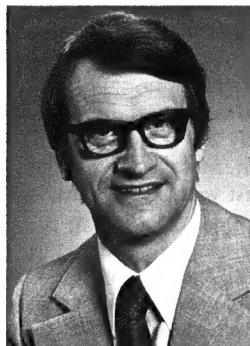
University Concert Choir

The University Concert Choir was organized five years ago under the auspices of the Department of Music. It performs both on campus and off during the academic year and



APPOINTMENTS

Jean Lauber will become Associate Vice-President (Academic) effective 1 July. Dr. Lauber received a BA in Biology from Whitman College, Walla Walla, Washington, in 1948, an MA in Zoology from Washington University, St. Louis, Missouri, in 1951, and a PhD in Biology from the University of New Mexico, Albuquerque, in 1959. She is Associate Chairman of the Department of Zoology. Much of her research is concentrated on the effect of light on living things, particularly birds and mammals.



Gerald Lock will become Dean of Inter-Disciplinary Affairs effective 1 July. A graduate of King's College, University of Durham, England, Dr. Lock holds a BSc and a PhD in Mechanical Engineering. He has served on the Health Sciences Library Committee, the General Faculties Council Copyright Committee, and has been Chairman of the University Press Committee. Dr. Lock is the Chairman of the Technical Operations Committee of the Canadian Society for Mechanical Engineering, a member of the American Society for Mechanical Engineers and the American Association for the Advancement of Science, and a Fellow of the British Interplanetary Society.



Gordon Bulat has been appointed Director of the Department of Physical Plant effective 1 July. Mr. Bulat, who has been Acting Director of the Department since 1 October 1975, will head a staff of five hundred full-time employees and 250 part-time employees. Mr. Bulat received a BSc in Civil Engineering from this University and then spent four years with Syncrude Canada Limited as a process engineer. In 1969 he joined the University staff as Plant Civil Engineer. Citing energy conservation as the biggest challenge facing the Physical Plant, Mr. Bulat adds that modifications to heating, ventilating, and air conditioning systems can result in significant cost reductions.



Murray S. Klamkin has been appointed Chairman of the Department of Mathematics, effective 1 July. Professor Klamkin received a BSc in Chemical Engineering from Cooper Union School of Engineering in New York City and an MSc in Physics from the Polytechnic Institute of Brooklyn, New York. In 1947-48 he studied mathematics at Carnegie-Mellon University in Pittsburgh. Professor Klamkin is Problem Editor of the American Mathematical Monthly and has served on the Board of Governors of the Mathematical Association of America. (No photo available)

Franz H. Vitovec has been re-appointed Chairman of the Department of Mineral Engineering. Dr. Vitovec was born in Vienna, Austria, where he obtained a Doctorate in Physical Metallurgy. In 1951 he received the prize of the City of Vienna for outstanding young scientists. From 1946 to 1952, Dr. Vitovec was on staff at the Institute for Research and Testing of Materials, in Vienna. From 1952 until 1965, he was on staff at the Universities of Minnesota and Wisconsin. He accepted a position at the University of Alberta in 1965. During his career, Dr. Vitovec has acted as a consultant to IBM and Shell Oil as well as a number of other companies.

it annually undertakes a spring tour to northern, central, or southern Alberta. The financial demands of this tour are such that the Choir experiences substantial cash outflows to cover transportation and related costs before revenue is realized.

Members approved a cash advance in the amount of \$3,000 to the University Concert Choir for the purpose of working capital on the understanding that there will be an annual accounting to the Finance Committee and that the continuation of the advance will be reviewed at the end of five years. Previously, the Vice-President (Finance and Administration) has annually authorized a cash travel advance which has been repaid the following year. The new proposal eliminates the necessity of annual repayment and subsequent re-application. Annual financial reporting will enable the Finance Committee to monitor the uses of the cash advance.

Services corridor

Members approved the Board Building Committee recommendation that a contract be awarded to Poole Construction Limited for construction of Phase IV(c), the Services Corridor Structural Shell, for \$361,205. It was noted that it is contrary to the general policy of the University not to call tenders for this type of construction work. However, it was considered advantageous to the University since Phase IV(c) is an extension of Phase IV(b) which is currently under construction, the contract having been awarded to Poole Construction Limited as the lowest bidder on the public tender call.

The price they have quoted for (c) is considered to be favorable compared to the bids received on the previous phase. Further, the construction space is very limited and Poole Construction Limited is already on the site both at Phase (b) and at Athabasca Hall. To add a further contractor to the site would reduce efficiency in operation and would present problems of through access for pedestrian traffic as well as emergency vehicles.

Approval of admission quotas for 1976-77

The members approved the following quotas for admission to faculties and programs, and it should be noted that in most instances the quota is the same as in previous years: Arts (for BFA Acting and Design Program), first year, 20 students; Dentistry, each of four years, 50 students; Dental Hygiene, each of two years, 40 students; Engineering, first year, 520 students, second year, 415 students; Law, a maximum of 500 students; Medicine, each of four years, 118 students; Medical Laboratory Science, first year, 32 students, second year, 24 to 26 students, third year, 36 students (12 from NAIT), fourth year, no quota; Post-graduate Clinical Training Programs, approximately 290 students; Nursing: Basic Program, 54 students; Nursing: Post Basic Program, first year, 72 students; Pharmacy, first year, 130 students; Rehabilitation Medicine, first year, in Occupational Therapy, 30 students, in Physical Therapy, 40 students, in Speech Pathology and Audiology, 25 students; Library Science, first year, 30 students, down 15 from the previous year but the program shifts from one to two years in length.

Members approved a motion that in future years proposed quotas be brought forward at a much earlier date, probably in late March.

Canadian Institute of Ukrainian Studies

Board Members approved the recommendation from the General Faculties Council that the University establish a Canadian Institute of Ukrainian Studies subject to the following conditions.

The Institute's operations must be conducted in strict observation of University policies and procedures with respect to staff appointments, allocation of space, the development of new courses, and any other relevant policies.

It must be clearly indicated to the Cabinet that the University's acceptance of the Institute involves neither an expressed nor implied commitment to absorb any part of the Institute's budget if the Cabinet, at a subsequent date, chooses to reduce or to eliminate its special funding provisions for the Institute.

It should be recognized that it may not be

possible to create new positions in the Institute when such positions require individuals to hold joint appointments in other academic units of the University, unless those units receive additional financial resources to enable them to participate in such joint appointments.

There must be further examination of that part of the proposal which deals with activities in centres other than the University and the Province of Alberta.

The Director and Advisory Committee of the Institute must report at the end of the first and second years on the development of the Institute and at the end of the third year a more complete evaluation of an external character must be presented to the Academic Development Committee. The details of the evaluation will be determined by the Director of the Institute and by the Vice-President (Academic).

Enrolment quota in the Faculty of Business Administration and Commerce

Members acted in response to the pressing need of the Faculty of Business Administration and Commerce to introduce an enrolment quota that would reflect the imbalance between funding, instructional demands, and space availability. The Board approved the following quota for 1976-77: first year students, 500 full-time students and 89 part students; second year, 496 full-time students and 62 part-time students; third year, 451 full-time students and 44 part-time students; fourth year, 426 full-time students and 57 part-time students.

GENERAL FACULTIES COUNCIL AGENDA

The following agenda has been received from Margaret Midgley, Secretary to General Faculties Council.

A meeting of the General Faculties Council will be held on Monday, 28 June 1976, at 7 p.m. in the Council Chamber, University Hall. Please note the change of time.

1. Approval of the agenda
2. Approval of the minutes of 31 May 1976
3. Question period

Reports

4. Executive Committee report
5. Nominating Committee report

Business arising

6. General Promotions and Salaries Committee: recommendation of the Committee re proposed designated student membership

New business

7. Credit for grade of 3: status of prerequisite courses

8. Replenishment of Nominating Committee

9. Appointment of external members to

FOLIO

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Jeanette Rothrock, *Editor*

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Faculty Councils

10. Reports of Senate Task Force on Future of Extension Function: recommendations of the Academic Development Committee
11. Current philosophy of selection and review procedures for deans and department chairmen: proposed investigation by GFC
12. Proposal for affiliation between The King's College and The University of Alberta: report of the Articulation Committee
13. New members of General Faculties Council
14. Articulation Committee: proposals re chairman's term of office and University representation on provincial Council on Admissions and Transfer (CAT)
15. Revised staff regulations
16. Senate Task Force on Status of Academic Women: proposal from AASUA for a GFC committee
17. Quotas: proposed University task force
18. Authority not to advertise new positions: report of Vice-President (Academic)
19. Other business

PAVING AND GROUNDS PROGRAM

Contrary to what some people might think when they find that their usual walking route to a certain building has been closed and the walkways torn up or that their usual parking lot is being broken up and redeveloped, the landscaping projects underway are not undertaken arbitrarily. Nor are they undertaken to provide inconvenience. The projects are the result of much deliberation by various groups and are designed to achieve a "balance between function and aesthetics" on campus, as Dave Biederman, Projects Officer in the Campus Development Office, explains it.

Before a project is actually begun, however, there is a great deal of discussion with groups that will be most directly affected by the landscaping program and a great deal of deliberation and study by the Paving and Grounds Committee, composed of the Director of Physical Plant, a representative from the Office of the Vice-President (Planning and Development), and R. Knowles, Professor of Plant Science, in consultation with the Campus Development Committee, the Campus Development Office, and the Board Building Committee. The main aim of the landscaping program is to improve user and service access to the University while improving the overall appearance of the campus.

Campus landscaping can be viewed as two main types: hard landscaping and soft landscaping. Hard landscaping has to do with paving, roadways, sidewalks and walkways, curbs, drainage, and so on; soft landscaping has to do with landscaping in the ordinary sense of the word—planting of trees, shrubs,



Richard Kerr

grass, flowers, and so on. The aim of the hard landscaping program is to make such things as service and delivery vehicle access, snow removal operations, parking, walking, bicycling, and other such activities more efficient and easier. The aim of the soft landscaping program is more obvious: to make the campus pleasant and attractive.

Among projects in the hard landscaping program are the redevelopment of the area north of Tory and Agriculture Buildings. The redevelopment includes work on parking and service vehicle access, pedestrian walkway widening, drainage improvements, exterior lighting improvements, and installation of outdoor seating areas. Similar work is also underway in the area along the north side of 89 Avenue.

Projects in the soft landscaping program include the total landscaping of the University Services Building south of Lister Hall, the supplementary planting of about one hundred new trees at various spots on campus, new landscaping of the grounds north of Tory and Agriculture Buildings and on the north side of 89 Avenue, and a general upgrading of other areas on campus. As one can see, many of the hard and soft landscaping projects overlap, showing the way in which the two types of programs interlock.

Two other areas of the current paving and grounds program involve special projects and what is known as "landscape consolidation."

Landscape consolidation is more or less an ongoing maintenance program covering both hard and soft landscaping; walkways are improved, seating areas are installed and improved, sod and grass repairs are made, and additional shrubbery is planted. Special projects this year include such things as the installation of new exterior lighting in various areas on campus, extension of landscape irrigation systems, construction of an improved bus stop area on 89 Avenue, and the setting up of an information and kiosk system throughout the campus.

INSTITUTE FOR RESEARCH ON PUBLIC POLICY

The Institute for Research on Public Policy is an independent, non-profit organization engaging in research and analysis. Its goal is to improve the basis for informed choice and decision by the public of Canada and its leaders on questions of public policy. It seeks to fill the need in Canada for an independent institute where research can be carried out into long-term governmental matters. Its independence is to be secured by the revenues of an endowment fund to be provided in equal amounts by the Government of Canada, provincial governments, and the private sector.

No other organization in Canada has the identical assignment with respect to the scope

of subject matter covered by the mandate, the time horizon for its research, and the obligation to carry the results of its research into the public domain to improve the bases for informed choice.

Research projects fall within a policy field of general interest to Canada in which one can anticipate significant change over the next five to twenty-five years or in a field where present policies are proving inadequate. Areas now under research include Canadian population trends and public policy, law and public policy, and aging population. A project must be performable within a reasonable time and with available resources. Projects within the Institute's research program fall within five general areas: population studies, studies of government, studies of government policies, social studies, and international studies and activities.

The Institute wishes to avoid unintended or unnecessary duplication of effort with other research centres and agencies. It therefore seeks to complement the research work of universities, governmental departments and agencies, independent research centres, and research units in the private sector.

The need for and expected use of research results must be made manifest. The Institute invites your response to its program. Further information may be obtained from: Institute for Research on Public Policy, Suite 514, 3535 Queen Mary Road, Montreal, Quebec H3V 1H8.

BOOKS

■ *The Censorship of English Drama 1737-1824*, by L.W. Conolly, Associate Professor of English, has been published by the Huntington Library, San Marino, California.

PEOPLE

■ Edith Down, Associate Professor of Secondary Education, presented a paper at the Learned Societies Conference, Laval, Quebec, to the Canadian Association of Curriculum Studies. The paper, "Curriculum development and teacher adaptation," will be published in the *Curriculum Theory Network Journal* from the Ontario Institute for Studies in Education.

■ Carlo Calderola, Associate Professor of Sociology, chaired a session on political sociology and presented a research paper on "Political behavior in Alberta" at the Canadian Sociology and Anthropology Association

meeting, held at the University of Laval from 26 to 29 May. Gurbachan Paul, Associate Professor of Sociology, presented a research paper on "Multiculturalism as a social policy" at the same session.

- A. Kernaleguen, Professor of Home Economics, Clothing and Textiles Division, was invited to present a display, "Clothing for the handicapped," at the Forty-sixth Annual Conference of the Canadian Association of Occupational Therapists in Saskatoon.
- Arlette A. Thomas, Assistant Professor of Romance Languages, was re-elected to the Executive of the Association of Canadian University Teachers of French, as Vice-President, at its meeting during the Conference of Learned Societies at Laval. Professor Thomas chaired two sessions during the APFUC meetings.
- Myer Horowitz, Vice-President (Academic), received an award from the University of Alberta Chapter of Phi Delta Kappa for distinguished service and leadership to public education.
- David Friesen, Professor of Educational Administration, was elected President of the Canadian Society for the Study of Education at its meeting during the Conference of Learned Societies at Laval University.
- Ted Holdaway, Professor of Educational Administration, has been elected as President of the Canadian Educational Researchers' Association for 1976-78.
- Raymond U. Lemieux, Professor of Organic Chemistry, has been appointed to the governing body of the National Research Council of Canada.
- M.E.P. Henderson, Dean of the Faculty of Library Science, was honored by faculty, alumnus, and local librarians at a dinner at the Faculty Club, upon her retirement from administration and her return to full-time teaching.
- Joseph M. Kirman, Associate Professor of Elementary Education, and Marshall A. Nay, Professor of Secondary Education, have had an article, "Joint planning for integrating social studies and science," re-published in French by the Belgian Ministry of Education in their periodical, *Education, Libre*, February 1976. The article was originally published in the February 1975 issue of *Social Education*.
- John King-Farlow, Professor of Philosophy, has been elected Vice-President of the Canadian Philosophical Association.
- W.A. Ayer, Professor of Chemistry, has been appointed Organic Chemistry Editor of the *Canadian Journal of Chemistry*, commencing 1 July.
- Joseph Pivato, Doctoral Candidate in the Department of Comparative Literature,

presented a paper on hermetic poetry at the Canadian Comparative Literature Association meeting during the Learned Societies Conference at Laval University.

- Z. Eisenstein, Professor of Civil Engineering, spent one month as a Visiting Professor at the Ruhr Universität in Bochum, West Germany. He also gave a lecture at the Imperial College of Science and Technology in London, England.
- R.L. Busch, Assistant Professor of Slavic Languages, presented a paper on F.V. Gladov's *Tsement* and the revision of Soviet literary classics of the 1920s and acted as Chairman and discussant for a panel on Russian literature, during the Conference of Learned Societies at Laval.
- B. Korda, Professor of Economics, gave a seminar, "Czechoslovakia on the eve of the sixth Five Year Plan," at the Russian Research Center, Harvard University, on 27 May. Dr. Korda was a discussant on three papers on "Economic integration in east Europe" which were given at the Canadian Association of Slavists meeting which was held in conjunction with the Learned Societies Conference.

NOTICES

BEACON SYSTEM PRESENTATION

A team from the Office of the Comptroller will be in V106 Physics-Chemistry Complex on Monday, 28 June, and Tuesday, 29 June, at 2 p.m. to fully explain the BEACON System. BEACON is the acronym for Budget, Expenditure, Analysis, and CONtrol. Basically, it is an updating of our computerized ledgers, incorporating budget information and projections of expenditures and revenues to the end of our fiscal year.

There will be a thirty-five minute presentation and a fifteen minute period for general questions, after which members of the team will be available for consultation on individual problems.

This presentation will be of interest to all chairmen and heads of departments as well as those administrative officers, administrative assistants, and departmental record keepers who work with BEACON reports in the performance of their duties.

SUMMER HOURS AT GRAD HOUSE

As of 17 June, the hours of summer operation of the Grad House, 11039 Saskatchewan Drive, will be changed. Sales of liquor, beer, and wine will be from 4 p.m. to 7 p.m., with closing time at 8 p.m., on both Thursdays and Fridays. Also, "barbecue-your-own" steaks will be available for \$1.50 on both evenings, weather permitting.

Movement Education Classes

The Department of Movement Education is providing summer session courses in physical education and wants children to participate. *Session A*: 12 to 21 July, weekdays, 5 to 12 year olds: 2 p.m. to 2:30 p.m. *Session B*: 12 to 16 July, weekdays, 5 to 8 year olds: 10:30 a.m. to 11 a.m. *Session C*: 2 to 6 August, weekdays, 9 to 12 year olds: 10:30 a.m. to 11 a.m. All sessions will be held in the gymnasium in the Education Building. For further information or if you would like to register your child in one of the above sessions, please call 432-3652.

Evening Parking

Effective 1 July 1976 a parking permit will be required to park on campus from 7 a.m. until 10 p.m. daily Monday through Friday, holidays excepted. The rates for Evening Parking Permits are: \$20 per year, \$3 per month, and \$.50 per evening.

This measure is being instituted to comply with the University policy that Parking Services operate on a break-even basis in conjunction with the requirement for additional parking control in the evening. Evening Parking Permits or further information may be obtained at Parking Services, second floor, Art Workshop Number 1, telephone 432-3811 or 432-1236.

Volunteers Needed

Pat Sullivan, a PhD candidate in the Department of Educational Psychology, is looking for pregnant women to participate in a project dealing with an instructional program on the care of newborn infants.

The program is self-instructional and is designed to teach new mothers about the various characteristics of newborn infants such as their appearance, senses, reflexes, behavior, and sleeping patterns. The program will provide an opportunity for new mothers to learn what to expect of their newborn babies.

Volunteers will need to spend approximately four hours on the instructional program, and they can do the program any time that is convenient for them. Ms. Sullivan will be available most days from 8 a.m. to 11 p.m. She can be contacted for further information at 439-4808.

Dial-a-Dietitian

Dial-a-Dietitian is a public service carried out by the Alberta Registered Dietitians Association. The service allows persons to call 439-4442 (an answering service) and ask questions about nutrition, planning adequate meals, purchasing, storing, or handling of foods, food labelling and additives, preparing and cooking new convenience foods, and similar topics. Within forty-eight hours, a

volunteer registered dietitian will call back with the researched answer to the question.

The purpose of Dial-a-Dietitian is to provide the public with an authoritative source of nutrition information. The service is free of charge to all Edmonton and area residents. Dial-a-Dietitian operates from 9 a.m. to 5 p.m. Monday through Friday, holidays excepted.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred.

24 JUNE, THURSDAY

Cinematheque 16

7:30 p.m. *Minamata/Kanjasan to Sono Sekai* (Japan, 1971). A documentary on the mercury poisoning in the Japanese fishing village of Minimata. English subtitles. Downstairs, Edmonton Art Gallery. Admission \$2.

25 JUNE, FRIDAY

Computing Science Colloquium

2 p.m. "The UNIX time-sharing system" by Ken Thompson, Bell Laboratories, Murray Hill, New Jersey, and Visiting Professor of Computing Science, University of California, Berkeley, 611 General Services Building.

Faculty Club

Downstairs. "From the grill." Steak sandwiches, hamburgers, French fries, and hot beef dips. *Upstairs.* "Japanese Special." Beef teriaki, rice, spicy cucumber salad, and Oriental orange snow. \$5.50. Also regular dinner menu; reservations required.

26 JUNE, SATURDAY

Photography Film Series

1:30 p.m. *The Day Books of Edward Weston: How Young I Was* and *The Day Books of Edward Weston: The Strongest Way of Seeing*, two films based on the writings of American photographer Edward Weston. Edmonton Art Gallery. Admission free.

Faculty Club

Downstairs. "Barbecue Your Own." Steaks \$5.50, hamburgers \$3.25; green salad, and dessert. *Upstairs.* Regular dinner menu; reservations required. Entertainment: Gordon Schmidt Band.

27 JUNE, SUNDAY

Cinematheque 16

2 p.m. *Jazz on a Summer's Day* (United

States, 1958). A documentary about the 1958 Newport Jazz Festival. Downstairs, Edmonton Art Gallery. Admission \$2.

28 JUNE, MONDAY

Food Science Seminar

11 a.m. "Use of electronmicroscopy in investigations of microstructure of milk constituents and dairy products" by Wolfgang Buchheim, Federal Dairy Research Institute, Kiel, West Germany. 229 South Lab.

29 JUNE, TUESDAY

Electronmicroscopy Seminar

11 a.m. "Special preparatory techniques for freeze-etching electronmicroscopy" by Wolfgang Buchheim, Federal Dairy Research Institute, Kiel, West Germany. 229 South Lab.

Students' Council Meeting

7 p.m. Students' Council will meet in the Council Chambers, University Hall. All interested persons are welcome to attend.

Edmonton Jazz Society

8:30 p.m. The Gail Bowen-Ted Borowiecki Quartet, featuring Gail Bown, vocals, Ted Borowiecki on piano, John Gray on bass, and Les Vallient on drums, performs at The Hovel, 10907 Jasper Avenue. Membership to the EJS is \$10; admission is \$1.50 for EJS members and \$2.50 for non-members.

1 JULY, THURSDAY

Cinematheque 16

7:30 p.m. *A Child is Waiting* (United States, 1962). Directed by John Cassavetes, and starring Burt Lancaster and Judy Garland. Downstairs, Edmonton Art Gallery. Memberships are available at \$5 for adults and \$3 for students and senior citizens; admission for members is \$2 and \$2.50 for non-members and \$1 for children under twelve.

2 JULY, FRIDAY

Grad House

4 p.m. A combined celebration of the 109 and 200 birthdays of Canada and the United States will be held at the Grad House, 11039 Saskatchewan Drive. Live entertainment, patriotic and pyrotechnic displays, and barbecued beef will provide a setting in which to discuss the subtleties of the War of 1812.

Cinematheque 16

7:30 p.m. *Burn* (United States/Italy/France, 1970). Starring Marlon Brando. English version. Downstairs, Edmonton Art Gallery. Memberships are available at \$5 for adults and \$3 for students and senior citizens; admission to individual shows is \$2 for members and

\$2.50 for non-members and \$1 for children under twelve.

3 JULY, SATURDAY

Photography Film Series

1:30 p.m. *Ernest Brown, Pioneer Photographer*, an award-winning film by Filmwest Associates about the early Alberta photographer. Downstairs, Edmonton Art Gallery. Admission is free.

EXHIBITIONS AND PLAYS

Provincial Museum

Until 27 June. "Why? Why Not?" a display illustrating some of the outstanding contributions made to the natural sciences by nineteen Canadian women of the nineteenth and twentieth centuries. Feature Gallery 3. Until 30 June. "Wildflowers of the Crow's Nest Pass." West alcove of Main Lobby. *Continuing.* "Documentary Heritage," a long-term exhibition displaying valuable manuscripts and documents in the Provincial Archives of Alberta. Archives Gallery. Until 15 July. "Canadian Nature Art, '76," a new exhibit of paintings and drawings by nature artists from across Canada. Natural History Gallery.

Until 15 August. "Crystals and Carvings," a selection of precious stones and carved and natural minerals from the collections of the Devonian Group. Feature Gallery 1.

Edmonton Art Gallery

Until 28 June. "A Visual Poem—Children's Manipulation of the Painting Medium," an exhibition of paintings done by very young children.

Until 27 June. "The Milner Collection," a display of works by Canadian artists such as the Group of Seven, David Milne, Emily Carr, and Clarence Gagnon among others, taken from the collection of the late H.R. Milner.

Until 27 June. "R.L. Myren," an exhibition of paintings and drawings of landscapes by the Edmonton artist.

Until 30 June. "The New Artists," an exhibition of works by students graduating in the last year from the University's Master of Visual Arts program.

Until 4 July. "Byzantine Churches of Alberta," a photographic display by Orest Semchishen documenting hundreds of pioneer Ukrainian churches in Alberta.

Northern Light Theatre

Until 3 July. *The Diary of Adam and Eve from the Apple Tree*, a musical comedy based on a short story by Mark Twain. Downstairs, Edmonton Art Gallery. Performances Tuesday through Friday at 12:10 p.m. with

extra performances on Thursdays and Fridays at 1:10 p.m. There will also be Saturday evening performances at 7 p.m. and 8:30 p.m. Admission to the weekday performances is \$2 regular and \$1 for senior citizens; admission to Saturday performances is \$2.50.

Alberta Barter Theatre

Until 4 July. *Twelfth Night* by William Shakespeare. Torches Theatre, west side of Corbett Hall. Performances are Tuesday through Sunday at 9 p.m. with a 2:30 p.m. matinee on Saturdays. For further information, telephone 432-1466.

NON-CREDIT COURSES

SCANDINAVIAN SUMMER SEMINARS

Det danske Selskab, The Danish Institute, is offering a series of seminars conducted in English. The Institute is an independent, non-profit organization, and its activities for international cultural cooperation include seminars and study tours, books and periodicals, and branches abroad. Scandinavian Summer Seminars play an important part and offer the opportunity to study education, libraries, social welfare, and architecture. This year the seminars will include Scandinavian architecture, historical towns of Denmark, education for survival, and a seminar on human relationships in modern society.

Full details for each seminar and the program in general are obtainable from: Det danske Selskab, Kultorvet 2, DK-1175 Copenhagen K, Denmark.

USE OF TERMINALS

An introduction to the use of the computing system (MTS) at the University using computer terminals. The course includes practice in procedures for *signing on* to the system, information storage, and manipulation. *Dates:* 2 p.m. to 4 p.m., 19 to 20 July. *Place:* 351 General Services Building. *Fee:* free. *For Further Information:* contact the Department of Computing Services at 432-1261 or the Information Coordinator at 432-1463.

INTRODUCTION TO TEXT EDITING AND FORMATTING

The course involves the use of the file editor and *FMT program to edit text and format manuscripts. It could be of value to students and members of staff wishing to use the MTS computing system to edit and produce papers, articles, theses, books, and other documents. Adequate computer time will be provided for students to do meaningful exercises. *Dates:* 10 a.m. to 12 a.m., 16 to 20 August. *Place:* 315 General Services Building. *Fee:* \$10. *Prerequisite:* students should have had a

"Use of Terminal" course or equivalent.

For further information: contact the Department of Computing Services at 432-1261 or the Information Coordinator at 432-1463

INFECTIOUS DISEASE SYMPOSIUM

On 28, 29, and 30 June, at the Jasper Park Lodge in Jasper, the American College of Physicians, the Royal College of Physicians and Surgeons of Canada, the University's Faculty of Medicine and the Division of Continuing Medical Education, and the Council of the College of Physicians and Surgeons of Alberta, will hold a course designed to discuss infectious disease problems of importance to internists.

Four doctors from the University will participate. George Goldsand, Associate Professor of Medicine, is the director of the course; other participants are Larry Bryan, Associate Professor of Medical Bacteriology, Harvey Rabin, Assistant Professor of Medicine and Pharmacology, and R.P. Bryce Larke, Associate Professor of Pediatrics.

Principles of antibiotic therapy, the role of the internist in the control of tuberculosis, meningitis in adults, new antibiotics, and anaerobic infections are among the topics of the course. Current concepts in the diagnosis and treatment of most common infections will also be discussed.

Registration forms and information can be obtained from the Division of Continuing Medical Education, 12-103 Clinical Sciences Building.

GRANTS AND FELLOWSHIPS

All inquiries regarding the following grants should be directed to G. Holmes, Research Grants and Contracts Office, 3-31 University Hall, telephone 432-5360.

NATO Joint Scientific Programs in Human Factors and Systems Science Research Grants

Where tenable: open. *Number:* variable. *Conditions:* the aim of the joint Research Grant program is to stimulate collaborative research by providing funds for scientists of universities and/or non-profit research institutions from NATO countries to carry out joint research projects which are of common interest to both systems and behavioral scientists. A Research Grant, however, does not constitute a contract for a specific piece of research. Rather, it is a grant in aid of a project which relies mainly on national financial support, where collaboration entails costs not readily met from normal financial sources. Applications are considered by the Special Program Panels on Human Factors and Systems Science, each of which consists of a small number of eminent scientists representing their respective disciplines. *Closing date:* 31 August and 31 January of each year. Initial inquiries should be made at least two or three months before these specified dates. *Obtain further information from:* Scientific Affairs Division, NATO, 1110 Brussels, Belgium.

GRADUATE SCHOLARSHIPS AND AWARDS

Research Fellowships of the Alexander von Humboldt Foundation

The Foundation grants about four hundred research fellowships annually to PhD holders of every nationality to enable them to carry out research projects of their own choice at universities or research institutes in the Federal Republic of Germany. The Alexander von Humboldt Foundation has sponsored thirty-four Canadian scholars from the following academic fields: natural science, humanities, and engineering. The research fellowships are not granted on the basis of any fixed quota for any one country. *Conditions*: sponsorship is based on proof of individual achievement, the decisive criterion for selection. Free choice of research project and German host institute is granted. The Foundation offers long-term sponsorship, from six months to two years. There is no fixed date for applications. *Value*: a monthly stipend of 1,600 DM or 1,900 DM (1 DM = \$.38), travel expenses for the fellowship holder, stipend for German language courses, and allowances for scientific meetings. *For further information write*: Alexander von Humboldt-Stiftung, d-5300 Bonn-Bad Godesberg, den Germany, c/o Mrs. Hilde Rostosky.

POSITIONS VACANT

NON-ACADEMIC STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly.

Clerk Typist (\$505-\$576, trust, term)—Office of the Dean, Medicine
Clerk Typist I (\$505-\$576)—Housing and Food Services
Clerk Typist II (\$505-\$627)—Educational Media; Purchasing; Faculty of Graduate Studies; Faculty of Education; Political Science
Clerk Typist II (\$505-\$627, term)—Movement Education
Clerk Steno II (\$527-\$653)—Physical Education; Elementary Education; Educational Foundations; Pharmacology; Geography; Office of the Vice-President; Technical Services
Clerk Steno II (\$527-\$653, term)—Athletic Services
Clerk Typist III (\$576-\$713)—Technical Services; Personnel Services and Staff Relations
Clerk Typist III (\$576-\$713, trust)—Biochemistry
Purchasing Clerk I (\$551-\$713)—Purchasing
Accounts Clerk I (\$527-\$653)—Office of the Comptroller
Cashier (\$505-\$627)—Bookstore
Clerk (\$505-\$576)—Purchasing
Senior Clerk (\$576-\$713)—Housing and Food Services
Clerk Steno III (\$599-\$744)—Educational Administration; Philosophy; Civil Engineering; Office of the Registrar; Psychology
Clerk Steno III (\$599-\$744, trust)—Physics
Clerk Steno III (\$299-\$372, term, trust, part-time)—Sociology
Medical Steno (\$653-\$814)—Medicine
Data Entry Operator I (\$599-\$744)—Computing Services (two positions)
Student Record Processing Clerk (\$627-\$779)—Office of the Registrar (two positions); Faculty of Education; Faculty of Graduate Studies
Senior Student Record Processing Clerk (\$853-\$1,068)—Office of the Registrar; Graduate Studies and Research

Secretary (\$683-\$853)—Educational Psychology; Purchasing; Office of the Vice-President
Departmental Secretary (\$779-\$975)—Faculty of Library Science
Administrative Clerk (\$713-\$891)—Extension; Housing and Food Services
Computer Assistant I (\$527-\$653)—Computing Services
Laboratory Assistant II (\$551-\$683)—Provincial Laboratory
Laboratory Assistant III (\$627-\$779)—Anatomy
Technical Assistant (\$653-\$814)—Technical Services
Art Technician I (\$713-\$891)—Drama
Instrument Technician I (\$744-\$932)—Chemistry
Vehicle Operator (\$744-\$932)—Physical Plant
Technologist I (\$814-\$1,020)—Pharmacy
Laboratory Technologist I (\$779-\$975)—Provincial Laboratory
Technician I-II (\$713-\$1,020)—Anatomy
Technician II (\$407-\$426, half-time, trust)—Pediatrics
Audio Technician II (\$814-\$1,020)—Technical Services
Chemical Technologist I (\$814-\$1,020)—Home Economics
Accounts Clerk III (\$814-\$1,020)—Office of the Comptroller
Storeman I (\$576-\$713)—Technical Services
Maintenance Worker II (\$932-\$1,171)—Physical Plant
Applications Analyst (\$932-\$1,171)—Geography
Motor Mechanic II (\$975-\$1,225)—Plant Science
Analyst (\$1,171-\$1,474)—Business Administration and Commerce
Curriculum Technician II (\$814-\$1,020)—Industrial and Vocational Education
Programmer III (\$1,020-\$1,283)—Office of Administrative Systems
Machinist Technician II-III (\$853-\$1,225)—Chemistry
Maintenance Worker I (\$779-\$975)—Physical Plant

The following is a list of currently available positions in the University Library. The bulletin board postings in the Library Personnel Office, 516 Cameron Library, should be consulted for further information as to position requirements and availability.

Library Assistant I (\$627-\$779)—Cataloguing; Selections

OFF CAMPUS POSITIONS

University of Natal

The following positions will become vacant:
Professor and Head of the Department of Educational Psychology. The commencing salary notch will be dependent on the qualifications and experience of the applicant. In addition, an annual vacation savings bonus is payable subject to Treasury regulations. *Quote reference number Adv 68/76. Closing date: 15 July 1976.*

Professor and Head of the Department of Mathematical Statistics. The commencing salary will be dependent on the qualifications and experience of the applicant. In addition, an annual vacation savings bonus is payable subject to Treasury regulations. *Quote reference number Adv 69/76. Closing date: 31 July 1976.*

Professor and Head of the Department of Accountancy. In addition to salary based on suitable qualifications, a subvention is payable by the Public Accountants' and Auditors' Board in its discretion to Chartered Accountants who are engaged in full-time lecturing accountancy students at South African universities. *Quote reference Adv. 67/76. Closing date: 31 July 1976.*

Application forms, further particulars of the posts, and information on pension, medical aid, staff bursary, housing loan and subsidy schemes, long leave conditions, and travelling expenses on first appointment are obtainable from the Registrar, University of Natal, King George V Avenue, Durban, 4001.

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Other specifications: half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is preferred; there is a charge of 15c per word for typesetting, and \$5 per line for design of work which is not camera ready. Deadline for submission is one week prior to publication (Thursday, 4 p.m.) for camera-ready copy; 10 days for all other advertising copy. Positioning is at the discretion of the editor.

Contact: Richard Kerr or Esther Fraser, 326 Assiniboia Hall, The University of Alberta; telephone 432-4991.

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodation Available

For sale by owner—Malmö three-bedroom bungalow; 1,135 square feet; well-landscaped in quiet crescent close to all amenities; minutes to University. Possession 15 August. 4911 116A Street. Telephone 434-7612.

For rent—fully-furnished cottage in Invermere, B.C. from 1 August 1976 to 1 August 1977, or less. Summer and ski-resort area. Living room, kitchen, bathroom, two small bedrooms, screened porch. Near beach; large yard; close to shopping, schools. \$150 per month plus utilities. 439-2974.

Selling—1.71 acres river view land one-half mile southwest city limits, treed ravine, ready for building. Phone (evenings) 435-8467.

For sale by owner—1,050 square feet, three-bedroom bungalow; Sherwood Park. Quiet crescent, near schools, stores, bus; fenced, landscaped, patio, vegetable garden. Basement partly finished. 467-4517 after four.

Retired teacher would share house near campus with mature woman student or lecturer. Moderate terms. Telephone 436-5718.

For rent—south side semi-bungalow, three bedrooms. \$350 month. 436-0426, evenings.

Selling—four treed acres near Ardrossan with unique custom-designed 1,900 square foot open plan house overlooking quiet pond. Living room with mezzanine, open-beam ceiling ideal for music, entertaining. Four or five bedrooms, 2½ baths; attached double garage; basement. \$140,000. 922-3677.

For rent—1 September 1976 to 1 August 1977: modern home, quiet country setting, twelve minutes from University. Five bedrooms, three bathrooms, large kitchen and breakfast area; dining, living area; separate study; two fireplaces. On Whitemud Road overlooking the river. Prefer to rent furnished. 434-6022.

For sale by owner—Garneau two-bedroom bungalow, basement spare room. Excellent condition; new furnace, wiring. 439-6618.

For sale by owner—three-bedroom bungalow. Redecorated, with new kitchen; finished basement with revenue. On south side—fifteen minutes to University. 435-2423.

Trade up—will take condominium or small home in trade on this unique home. Twelve rooms, six bedrooms, two open fireplaces, three bathrooms, open-beam cedar ceiling. Custom-built. Must be seen. Asking \$140,000. For private viewing telephone Cathy at 484-5636 or 426-5880, page 923. Academy Realty Ltd.

Sub-let—1 July to 15 August. One bedroom apartment, 10934 85 Avenue. \$225. References. 433-9638.

For rent—1,260 square-foot three-bedroom bungalow. Furnished; washer, dryer, freezer; Duggan \$450. One year lease from 1 August. 434-2096.

For sale—Belgravia. Walk to University. Two excellent homes, over 1,200 square feet in each. Garages, fifty foot lots. Both owners are very anxious to sell and are open to offers. These homes are a must to see. Call Jim Hindle, H.R. Kellough Realty 439-7371, 436-2072.

For sale—excellent, older, six-bedroom home. One

block south University. Winterized greenhouse. \$70,000. 436-3349 after 28 June.

For rent—West end; three-bedroom bungalow; finished basement includes bath, laundry room, storage room, extra room, rumpus room, bar. Four appliances. Garage. Quiet location on direct busline to University; ten minutes by car. 31 August 1976 to 15 August 1977. \$425. 489-5216.

For sale—large four-bedroom bi-level. 1,800 square feet developed. On large landscaped lot. Carpets throughout, dishwasher, intercom. \$63,000. In Leduc; forty minutes from door to University desk. Call Janet, 432-3386 or 986-8279, to view.

Accommodation Wanted

House wanted—Professor arriving from New Zealand requires two- or three-bedroom home in University area. Will pay up to \$80,000. Please telephone Dorothy Hamilton, H.R. Kellough Realty, at 439-7371 or 434-6147.

Automobiles and Accessories

For sale—Vanguard double-axle trailer used only once. Attractive interior, many extras. Telephone 434-4460 after five.

For sale—soft-top tent trailer with canopy. Good condition. \$325. 433-6671.

1970 Buick four-door sedan; automatic, power steering, radio. Good condition. \$1,200. 434-0081 after five.

For sale—1964 Chevy II. Offers. 477-3697.

Goods and Services

Plumbing—for estimates on basement bathrooms, repairs, gasfitting, etc., call 465-7079.

Have sixteen horsepower Case tractor, rototiller, grass mower, levelling blade. Will do large residential yards, acreages, etc. Phone Jerry, 439-3531.

Canadian Camping Tours. Come with us on a camping holiday. Travel the Alaska Highway and Inside Passage; twenty-two days, \$495. Hike in the Rockies of Banff and Jasper; twelve days, \$219. Canoe the Churchill River in northern Saskatchewan; twelve days, \$382. Prices are all-inclusive. Flexible itineraries, shared activities,

friendly atmosphere. It's all in our 1976 brochure. Write to: Canadian Camping Tours, 250 One Palliser Square, Calgary T2G 0P6.

Student Painting. Interior-exterior; commercial-residential. 436-6242.

Antiques from England for sale. Tables, chairs, buffets, display cabinets, bookcases, stools, dolls, clocks, porcelain, art glass, Coronation ware, pictures, collectibles. Mary Goulden Antiques, Horsehill Hall: five miles north on Highway 15, then 1½ miles east. Open daily 1 p.m. to 6 p.m. including weekends. Closed Mondays. 973-3656 or 475-8139.

Antique, modern furniture, household effects, transistor, stereo, toys. 439-4795.

Handyman Carpentry Service. 434-9709, evenings.

Office desk and chair; excellent condition. 434-7372.

For sale—stroller, patio cots, sleigh, papooser, grow light stand, light fixtures. 436-1448 evenings.

Selling: construction type trailer. Insulated, electrical, propane. Cupboards, counter, sink. On wheels, ready to move to your acreage. \$950. Call 922-2878 after 8 p.m.

Wanted—one sheet arborite, Blonde Maple 49-W-1116, furniture finish. Phone 432-4765; evenings 454-7773.

For sale: Vivitar 400mm telephoto lens f/6.3, like new. Telephone 433-6597 after 5 p.m.

Babies wanted—two to nine month-old volunteers needed for research in the development of visual memory. Dr. Cornell, 432-5216.

Garage sale: Saturday and Sunday, 26 to 27 June, 10 a.m. to 6 p.m. 8503 72 Street.

Black leather recliner, \$150; two green tub chairs, \$50 each. 433-5965 after 6 p.m.

Will give away dog. Call 432-4824 or 435-5015.

Observers required for psychomotor test involving seven sessions. Males aged eighteen to twenty-nine are requested to call 432-5266 or leave name and number at 432-5216.

For sale—Westinghouse stove and fridge (three years old) \$375; Kenmore heavy duty washer and dryer (twelve months old) \$400; Brunswick single-slate pool table (with balls) \$450; broadloom (short red shag) 11½ feet by 17 feet, \$150. 455-3770.

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